

ideals defined in the larger ring). Applications are given, e.g. Wiener's theorem: If t is a real variable, the necessary and sufficient condition that the reciprocal of an absolutely convergent trigonometric series $\sum_{-\infty}^{\infty} a_n e^{int}$ should be expressible as an absolutely convergent trigonometric series is that $\sum$ never be 0. Representation theory for positive linear functionals also appears, and the chapter is on the whole a good exposition, and a good outline of the subject for the non-specialist.

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